



King County

Industrial Maintenance Electrician

Dept. of Natural Resources and Parks/Wastewater Treatment Division

Salary Range: \$28.5451 to \$29.9317 (2003 rates) plus productivity pay

Job Announcement No.: 03JH3455

OPEN: 8/13/03 CLOSE: 9/3/03

WHO MAY APPLY: This recruitment is open to qualified candidates in the general public.

WHERE TO APPLY: To obtain required King County forms contact the Application Request line at (206) 205-8782 or download from the Internet at <http://www.metrokc.gov/ohrm/jobs/JobApplications.htm>. Submit required forms and materials to **Wastewater Treatment Division-HR, 201 S. Jackson St., MS/KSC-NR-0511, Seattle, WA 98104**.

Application materials must be received by 4:30 p.m. on the closing date. (Postmarks are NOT ACCEPTED.) **PLEASE**

NOTE: Applications not received at the location specified above may not be processed. Contact Julie Hunsaker (206) 263-3911 for more information.

FORMS AND MATERIALS REQUIRED: A [King County application form](#), resume and letter of qualification detailing your background and describing how you meet or exceed the requirements are required.

WORK LOCATION: West Point Treatment Plant, 1400 Utah Street W. Seattle, WA 98199

WORK SCHEDULE: This full-time position is non-exempt, and is over-time eligible. The regular workweek is 40 hours per week.

PRIMARY JOB FUNCTIONS: The following is a summary of the primary duties and responsibilities of the position:

1. Maintain, troubleshoot and perform preventive maintenance on motor control centers, including associated equipment and control devices.
2. Perform preventive maintenance and repairs to variable frequency and direct current drives including adjustment of speed profiles, troubleshooting and repairs to component levels and replacement when needed.
3. Troubleshoot, reprogram and modify programmable logic controllers; modify control circuits and related control devices and equipment.
4. Perform preventive maintenance and repair of uninterruptible power supply equipment including the servicing and replacement of batteries.
5. Repair and maintain gas systems, which includes the programmable logic controllers (PLCs), gas compressors and gas drying system and control and operate waste gas burners or flares.
6. Train electrical trainees.
7. Coordinate activities and work cooperatively with those performing other crafts.
8. Write material requests and needed for replacement of defective parts and to obtain additions to spare parts inventory.
9. Troubleshoot, maintain and perform various repairs, including repair of distributive control systems and related hardware. Use hardware available, troubleshoot systems and interpret displayed data.

10. Install, modify and upgrade new and existing electrical systems, fixtures and other related electrical equipment in compliance with municipal and federal electrical codes.
11. Perform maintenance and repairs on low voltage (120-480 volts), medium voltage (4.16 to 12.5 KV) and high voltage (115 KV) switchgear, transformers and power generation and distribution systems as required

Minimal Requirements, Knowledge and Skills (These are entry requirements and may vary by position.)

1. Knowledge of the following:
 - Knowledge equivalent to three years of related journey-level experience in an industrial or manufacturing plant
 - Federal electrical codes
 - Principles of electrical distribution and generation.
 - Different functions of electrical equipment.
 - Knowledge of and skill in electrical troubleshooting and diagnosis.
 - Electrical test equipment and preventive maintenance.
 - PLCs, and variable frequency drives.
 - Basic motors and controls
 - Safety practices and electrical, mechanical and environmental hazards.
2. Computer Skills
3. Communication skills (oral and written)
4. Interpersonal skills and skill in working independently.
5. Skill in safely using basic hand and power tools, trade tools such as conduit benders and pipe threaders and electrical and electronic test equipment.
6. Skill in variable frequency drive programming, maintenance and repair.
7. Skill in creating or modifying new or existing technical publications and electrical drawings.
8. Skill in applying industry codes and guidelines in the design, installation and maintenance of plant electrical equipment.
9. Skill in performing basic mathematics functions including algebra and trigonometry.

Licensing/Certification Requirements

Valid Washington State Driver's License

Completion of an apprenticeship program or equivalent training (documentation may be required).

SELECTION PROCESS:

- After the initial screening, the most competitive applicants will be invited to participate in both a working/written test and an oral interview.
- A physical examination will be required, upon a contingent job offer, with the cost covered by King County.
- Applicants will be required, upon a conditional job offer, to provide a current 5-year COMPLETE Abstract of Driving Record from the Department of Licensing.

Union Membership: This position is represented by the Service Employees International Union, Local 925

Class Code: 822201